

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/000629

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H01Q 1/24, H01Q 5/00, H01Q 23/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN Vol. 2000, No. 01, 31 January 2000 (2000-01-31) abstract & JP 11 298231 A (MATSUSHITA ELECTRIC IND CO LTD) 29 October 1999 (1999-10-29) figures 1-2  --	1-5,7-16
Y	PATENT ABSTRACTS OF JAPAN Vol. 2000, No. 11, 03 January 2001 (2001-01-03) abstract & JP 2000 236209 A (NIPPON TELEGR & amp; TELEPH CORP & lt; NTT & gt; ) 29 August 2000 (2000-08-29) figure 1  --	1-5,7-16

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

9 June 2004

Date of mailing of the international search report

13-07-2004

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 0120718 A1 (AVANTEGO AB ET AL), 22 March 2001 (22.03.2001), page 9, line 6 - line 18; page 7, line 14, figures 4-5 --	1-16
A	PATENT ABSTRACTS OF JAPAN Vol. 1998, No. 12, 31 October 1998 (1998-10-31) abstract & JP 10 190344 A (MATSUSHITA ELECTRIC WORKS LTD) 21 July 1998 (1998-07-21) figures 1-12 --	1-16
A	PATENT ABSTRACTS OF JAPAN Vol. 012, No. 054 (E583) 18 February 1988 (1988-02-18) abstract & JP 62 200802 A (TOSHIBA CORP) 04 September 1987 (1987-09-04) figure 1 --	1-16
A	US 4382238 A (MAKIMOTO, M. ET AL), 3 May 1983 (03.05.1983), figure 1, abstract -- -----	6

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Information on patent family members

30/04/2004

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WO	0120718	A1	22/03/2001	AU	7048300	A	17/04/2001
				EP	1228551	A	07/08/2002
US	4382238	A	03/05/1983	JP	1387946	C	14/07/1987
				JP	56073605	U	16/06/1981
				JP	56079502	A	30/06/1981
				JP	61050523	B	05/11/1986